

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

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Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-117013-1

Client Project/Site: Gold King Mine - Region 8

For:

Weston Solutions, Inc.

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Lakewood, Colorado 80215

Attn: Moira Pryhoda



Authorized for release by:

9/24/2015 6:17:29 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

TestAmerica Savannah

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117013-1	CC06_09212015_1300	Solid	09/21/15 13:00	09/23/15 00:00
680-117013-2	Trip Blank	Water	09/21/15 13:00	09/23/15 00:00

TestAmerica Savannah

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Job ID: 680-117013-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 8

Report Number: 680-117013-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 09/23/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6° C and 2.4° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample CC06_09212015_1300 (680-117013-1) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 09/23/2015.

Surrogate recovery for the following sample was outside control limits: CC06_09212015_1300 (680-117013-1). Re-analysis was performed with concurring results. The original analysis has been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-401060 and analytical batch 680-402348.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Trip Blank (680-117013-2) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/23/2015.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-401060 and analytical batch 680-402348.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample CC06_09212015_1300 (680-117013-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared and analyzed on 09/23/2015.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 400-110975-C-31-B MS. DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 400-110975-C-31-C MSD.

TestAmerica Savannah

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Job ID: 680-117013-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

PCB-1260 failed the recovery criteria low for the MSD of sample 400-110975-31 in batch 680-402546.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Sample CC06_09212015_1300 (680-117013-1) was analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 09/23/2015 and analyzed on 09/23/2015 and 09/24/2015.

Several analytes failed the recovery criteria low for the MS of sample CC06_09212015_1300MS (680-117013-1) in batch 680-402754. Copper failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MSD of sample CC06_09212015_1300MSD (680-117013-1) in batch 680-402754. Arsenic and Copper exceeded the RPD limit.

Vanadium, Copper and Zinc exceeded the RPD limit for the duplicate of sample CC06_09212015_1300DU (680-117013-1).

Refer to the QC report for details.

Sample CC06_09212015_1300 (680-117013-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Sample CC06_09212015_1300 (680-117013-1) was analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 09/23/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AMMONIA

Sample CC06_09212015_1300 (680-117013-1) was analyzed for ammonia in accordance with EPA Method 350.1. The samples were prepared and analyzed on 09/23/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL KJELDAHL NITROGEN

Sample CC06_09212015_1300 (680-117013-1) was analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 09/23/2015 and analyzed on 09/24/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE

Sample CC06_09212015_1300 (680-117013-1) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 09/23/2015 and analyzed on 09/24/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

9056 ANIONS

Sample CC06_09212015_1300 (680-117013-1) was analyzed for 9056 Anions in accordance with EPA SW846 Method 9056 (DI Leach). The samples were leached on 09/23/2015 and analyzed on 09/24/2015.

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Job ID: 680-117013-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Sample CC06_09212015_1300 (680-117013-1) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 09/23/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: CC06_09212015_1300

Lab Sample ID: 680-117013-1

Date Collected: 09/21/15 13:00

Matrix: Solid

Date Received: 09/23/15 00:00

Percent Solids: 17.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	16	U	34	16	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1,1-Trichloroethane	4.0	U	34	4.0	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1,2,2-Tetrachloroethane	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1,2-Trichloroethane	8.7	U	34	8.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1-Dichloroethane	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1-Dichloroethene	10	U	34	10	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,1-Dichloropropene	6.4	U	34	6.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2,3-Trichlorobenzene	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2,3-Trichloropropane	16	U	34	16	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2,4-Trichlorobenzene	6.0	U	34	6.0	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2,4-Trimethylbenzene	9.4	U	34	9.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2-Dibromo-3-Chloropropane	30	U	67	30	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2-Dichlorobenzene	8.7	U	34	8.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2-Dichloroethane	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2-Dichloroethene, Total	4.2	U	67	4.2	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,2-Dichloropropane	5.8	U	34	5.8	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,3,5-Trimethylbenzene	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,3-Dichlorobenzene	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,3-Dichloropropane	12	U	34	12	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
1,4-Dichlorobenzene	5.0	U	34	5.0	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
2,2-Dichloropropane	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
2-Chlorotoluene	13	U	34	13	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
2-Hexanone	22	U	170	22	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
4-Chlorotoluene	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Acetone	170	J	340	74	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Benzene	4.9	U	34	4.9	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Bromobenzene	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Bromochloromethane	22	U	34	22	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Bromoform	10	U	34	10	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Bromodichloromethane	6.5	U	34	6.5	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Bromomethane	10	U	34	10	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Carbon disulfide	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Carbon tetrachloride	5.6	U	34	5.6	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Chlorobenzene	6.5	U	34	6.5	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Chloroethane	18	U	34	18	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Chloroform	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Chloromethane	6.7	U	34	6.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
cis-1,2-Dichloroethene	9.4	U	34	9.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
cis-1,3-Dichloropropene	5.6	U	34	5.6	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Dibromochloromethane	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Dibromomethane	11	U	34	11	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Dichlorodifluoromethane	6.3	U	34	6.3	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Ethylbenzene	8.7	U	34	8.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Isopropylbenzene	13	U	34	13	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
m-Xylene & p-Xylene	17	U	34	17	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Methyl tert-butyl ether	6.7	U	34	6.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Methylene Chloride	6.6	U	34	6.6	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
4-Methyl-2-pentanone	28	U	170	28	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
2-Butanone	16	U	170	16	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: CC06_09212015_1300

Lab Sample ID: 680-117013-1

Date Collected: 09/21/15 13:00

Matrix: Solid

Date Received: 09/23/15 00:00

Percent Solids: 17.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	10	U	34	10	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
n-Butylbenzene	16	U	34	16	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
N-Propylbenzene	18	U	34	18	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
o-Xylene	7.4	U	34	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
p-Isopropyltoluene	15	U	34	15	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
sec-Butylbenzene	14	U	34	14	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Styrene	6.3	U	34	6.3	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
tert-Butylbenzene	12	U	34	12	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Tetrachloroethene	13	U	34	13	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Toluene	5.6	U	34	5.6	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
trans-1,2-Dichloroethene	4.2	U	34	4.2	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
trans-1,3-Dichloropropene	5.9	U	34	5.9	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Trichloroethene	8.7	U	34	8.7	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Trichlorofluoromethane	8.1	U	34	8.1	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Vinyl acetate	17	U	67	17	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Vinyl chloride	10	U	34	10	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1
Xylenes, Total	7.4	U	67	7.4	ug/Kg	☼	09/23/15 11:41	09/23/15 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130	09/23/15 11:41	09/23/15 14:24	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 130	09/23/15 11:41	09/23/15 14:24	1
Dibromofluoromethane (Surr)	87		70 - 130	09/23/15 11:41	09/23/15 14:24	1
4-Bromofluorobenzene (Surr)	134	X	70 - 130	09/23/15 11:41	09/23/15 14:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	62	U	190	62	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1221	85	U	190	85	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1232	29	U	190	29	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1242	28	U	190	28	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1248	46	U	190	46	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1254	57	U	190	57	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1
PCB-1260	54	U	190	54	ug/Kg	☼	09/23/15 12:39	09/23/15 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	54		46 - 130	09/23/15 12:39	09/23/15 23:12	1
DCB Decachlorobiphenyl	62		54 - 133	09/23/15 12:39	09/23/15 23:12	1

Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.5	U	5.6	2.5	mg/Kg	☼		09/24/15 09:30	1
Nitrate Nitrite as N	2.5	U	5.6	2.5	mg/Kg	☼		09/24/15 09:30	1
Nitrite as N	2.5	U	5.6	2.5	mg/Kg	☼		09/24/15 09:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	42	U	100	42	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Selenium	50	U F1	130	50	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Nickel	20	U	210	20	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Lead	80		51	17	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Magnesium	100	J	260	46	mg/Kg	☼	09/23/15 11:52	09/23/15 16:45	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: CC06_09212015_1300

Lab Sample ID: 680-117013-1

Date Collected: 09/21/15 13:00

Matrix: Solid

Date Received: 09/23/15 00:00

Percent Solids: 17.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	210		51	5.1	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Iron	530000		1000	270	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Potassium	13	U	510	13	mg/Kg	☼	09/23/15 11:52	09/23/15 16:45	1
Chromium	16	J	51	11	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Copper	1800	F2	130	8.7	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Barium	8.2	U F1	51	8.2	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Beryllium	0.19	J	2.1	0.051	mg/Kg	☼	09/23/15 11:52	09/23/15 16:45	1
Silver	3.1	U	51	3.1	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Aluminum	3600		1000	160	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Arsenic	340	F2	100	41	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Cadmium	5.1	U F1	26	5.1	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Calcium	270	U	2600	270	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Cobalt	5.1	U	51	5.1	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Sodium	2500	U F1	10000	2500	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Thallium	31	U	130	31	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10
Vanadium	71		5.1	0.51	mg/Kg	☼	09/23/15 11:52	09/23/15 16:45	1
Zinc	340		100	36	mg/Kg	☼	09/23/15 11:52	09/24/15 13:38	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039	U	0.098	0.039	mg/Kg	☼	09/23/15 13:48	09/23/15 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.71	U	1.6	0.71	mg/Kg	☼	09/23/15 13:47	09/23/15 14:50	1
Nitrogen, Kjeldahl	140	U	230	140	mg/Kg	☼	09/23/15 16:15	09/24/15 10:50	1
Cyanide, Total	1.2	U	2.7	1.2	mg/Kg	☼	09/23/15 11:45	09/24/15 04:44	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-117013-2

Date Collected: 09/21/15 13:00

Matrix: Water

Date Received: 09/23/15 00:00

Method: SM 6200B - SM 6200B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/23/15 13:12	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			09/23/15 13:12	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			09/23/15 13:12	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			09/23/15 13:12	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			09/23/15 13:12	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			09/23/15 13:12	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			09/23/15 13:12	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			09/23/15 13:12	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			09/23/15 13:12	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			09/23/15 13:12	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			09/23/15 13:12	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			09/23/15 13:12	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			09/23/15 13:12	1
1,2-Dichloroethene, Total	0.37	U	2.0	0.37	ug/L			09/23/15 13:12	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			09/23/15 13:12	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			09/23/15 13:12	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-117013-2

Date Collected: 09/21/15 13:00

Matrix: Water

Date Received: 09/23/15 00:00

Method: SM 6200B - SM 6200B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			09/23/15 13:12	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			09/23/15 13:12	1
2-Chloroethyl vinyl ether	5.0	U	10	5.0	ug/L			09/23/15 13:12	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			09/23/15 13:12	1
2-Hexanone	2.0	U	10	2.0	ug/L			09/23/15 13:12	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			09/23/15 13:12	1
Acetone	7.0	U	10	7.0	ug/L			09/23/15 13:12	1
Benzene	0.43	U	1.0	0.43	ug/L			09/23/15 13:12	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			09/23/15 13:12	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			09/23/15 13:12	1
Bromoform	0.43	U	1.0	0.43	ug/L			09/23/15 13:12	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			09/23/15 13:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/23/15 13:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/23/15 13:12	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/23/15 13:12	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			09/23/15 13:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/23/15 13:12	1
Chloroform	0.50	U	1.0	0.50	ug/L			09/23/15 13:12	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/23/15 13:12	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			09/23/15 13:12	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			09/23/15 13:12	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			09/23/15 13:12	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			09/23/15 13:12	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			09/23/15 13:12	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			09/23/15 13:12	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			09/23/15 13:12	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			09/23/15 13:12	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			09/23/15 13:12	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			09/23/15 13:12	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			09/23/15 13:12	1
2-Butanone	3.4	U	10	3.4	ug/L			09/23/15 13:12	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			09/23/15 13:12	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			09/23/15 13:12	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			09/23/15 13:12	1
o-Xylene	0.23	U	1.0	0.23	ug/L			09/23/15 13:12	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			09/23/15 13:12	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			09/23/15 13:12	1
Styrene	0.27	U	1.0	0.27	ug/L			09/23/15 13:12	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			09/23/15 13:12	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			09/23/15 13:12	1
Toluene	0.48	U	1.0	0.48	ug/L			09/23/15 13:12	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			09/23/15 13:12	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			09/23/15 13:12	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			09/23/15 13:12	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			09/23/15 13:12	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			09/23/15 13:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/23/15 13:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			09/23/15 13:12	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: Trip Blank

Date Collected: 09/21/15 13:00

Date Received: 09/23/15 00:00

Lab Sample ID: 680-117013-2

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>100</i>		<i>70 - 130</i>		<i>09/23/15 13:12</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>99</i>		<i>70 - 130</i>		<i>09/23/15 13:12</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>101</i>		<i>70 - 130</i>		<i>09/23/15 13:12</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>111</i>		<i>70 - 130</i>		<i>09/23/15 13:12</i>	<i>1</i>

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-402406/6

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	2.4	U	4.9	2.4	ug/Kg			09/23/15 13:22	1
1,1,1-Trichloroethane	0.58	U	4.9	0.58	ug/Kg			09/23/15 13:22	1
1,1,2,2-Tetrachloroethane	1.6	U	4.9	1.6	ug/Kg			09/23/15 13:22	1
1,1,2-Trichloroethane	1.3	U	4.9	1.3	ug/Kg			09/23/15 13:22	1
1,1-Dichloroethane	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
1,1-Dichloroethene	1.5	U	4.9	1.5	ug/Kg			09/23/15 13:22	1
1,1-Dichloropropene	0.94	U	4.9	0.94	ug/Kg			09/23/15 13:22	1
1,2,3-Trichlorobenzene	1.6	U	4.9	1.6	ug/Kg			09/23/15 13:22	1
1,2,3-Trichloropropane	2.4	U	4.9	2.4	ug/Kg			09/23/15 13:22	1
1,2,4-Trichlorobenzene	0.88	U	4.9	0.88	ug/Kg			09/23/15 13:22	1
1,2,4-Trimethylbenzene	1.4	U	4.9	1.4	ug/Kg			09/23/15 13:22	1
1,2-Dibromo-3-Chloropropane	4.3	U	9.9	4.3	ug/Kg			09/23/15 13:22	1
1,2-Dichlorobenzene	1.3	U	4.9	1.3	ug/Kg			09/23/15 13:22	1
1,2-Dichloroethane	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
1,2-Dichloroethene, Total	0.62	U	9.9	0.62	ug/Kg			09/23/15 13:22	1
1,2-Dichloropropane	0.85	U	4.9	0.85	ug/Kg			09/23/15 13:22	1
1,3,5-Trimethylbenzene	1.7	U	4.9	1.7	ug/Kg			09/23/15 13:22	1
1,3-Dichlorobenzene	1.6	U	4.9	1.6	ug/Kg			09/23/15 13:22	1
1,3-Dichloropropane	1.8	U	4.9	1.8	ug/Kg			09/23/15 13:22	1
1,4-Dichlorobenzene	0.73	U	4.9	0.73	ug/Kg			09/23/15 13:22	1
2,2-Dichloropropane	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
2-Chlorotoluene	2.0	U	4.9	2.0	ug/Kg			09/23/15 13:22	1
2-Hexanone	3.3	U	25	3.3	ug/Kg			09/23/15 13:22	1
4-Chlorotoluene	1.7	U	4.9	1.7	ug/Kg			09/23/15 13:22	1
Acetone	11	U	49	11	ug/Kg			09/23/15 13:22	1
Benzene	0.72	U	4.9	0.72	ug/Kg			09/23/15 13:22	1
Bromobenzene	1.7	U	4.9	1.7	ug/Kg			09/23/15 13:22	1
Bromochloromethane	3.3	U	4.9	3.3	ug/Kg			09/23/15 13:22	1
Bromoform	1.5	U	4.9	1.5	ug/Kg			09/23/15 13:22	1
Bromodichloromethane	0.96	U	4.9	0.96	ug/Kg			09/23/15 13:22	1
Bromomethane	1.5	U	4.9	1.5	ug/Kg			09/23/15 13:22	1
Carbon disulfide	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
Carbon tetrachloride	0.82	U	4.9	0.82	ug/Kg			09/23/15 13:22	1
Chlorobenzene	0.95	U	4.9	0.95	ug/Kg			09/23/15 13:22	1
Chloroethane	2.7	U	4.9	2.7	ug/Kg			09/23/15 13:22	1
Chloroform	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
Chloromethane	0.99	U	4.9	0.99	ug/Kg			09/23/15 13:22	1
cis-1,2-Dichloroethene	1.4	U	4.9	1.4	ug/Kg			09/23/15 13:22	1
cis-1,3-Dichloropropene	0.82	U	4.9	0.82	ug/Kg			09/23/15 13:22	1
Dibromochloromethane	1.7	U	4.9	1.7	ug/Kg			09/23/15 13:22	1
Dibromomethane	1.7	U	4.9	1.7	ug/Kg			09/23/15 13:22	1
Dichlorodifluoromethane	0.93	U	4.9	0.93	ug/Kg			09/23/15 13:22	1
Ethylbenzene	1.3	U	4.9	1.3	ug/Kg			09/23/15 13:22	1
Isopropylbenzene	1.9	U	4.9	1.9	ug/Kg			09/23/15 13:22	1
m-Xylene & p-Xylene	2.6	U	4.9	2.6	ug/Kg			09/23/15 13:22	1
Methyl tert-butyl ether	0.99	U	4.9	0.99	ug/Kg			09/23/15 13:22	1
Methylene Chloride	0.97	U	4.9	0.97	ug/Kg			09/23/15 13:22	1
4-Methyl-2-pentanone	4.1	U	25	4.1	ug/Kg			09/23/15 13:22	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-402406/6

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	2.4	U	25	2.4	ug/Kg			09/23/15 13:22	1
1,2-Dibromoethane	1.5	U	4.9	1.5	ug/Kg			09/23/15 13:22	1
n-Butylbenzene	2.4	U	4.9	2.4	ug/Kg			09/23/15 13:22	1
N-Propylbenzene	2.7	U	4.9	2.7	ug/Kg			09/23/15 13:22	1
o-Xylene	1.1	U	4.9	1.1	ug/Kg			09/23/15 13:22	1
p-Isopropyltoluene	2.2	U	4.9	2.2	ug/Kg			09/23/15 13:22	1
sec-Butylbenzene	2.1	U	4.9	2.1	ug/Kg			09/23/15 13:22	1
Styrene	0.92	U	4.9	0.92	ug/Kg			09/23/15 13:22	1
tert-Butylbenzene	1.8	U	4.9	1.8	ug/Kg			09/23/15 13:22	1
Tetrachloroethene	1.9	U	4.9	1.9	ug/Kg			09/23/15 13:22	1
Toluene	0.83	U	4.9	0.83	ug/Kg			09/23/15 13:22	1
trans-1,2-Dichloroethene	0.62	U	4.9	0.62	ug/Kg			09/23/15 13:22	1
trans-1,3-Dichloropropene	0.86	U	4.9	0.86	ug/Kg			09/23/15 13:22	1
Trichloroethene	1.3	U	4.9	1.3	ug/Kg			09/23/15 13:22	1
Trichlorofluoromethane	1.2	U	4.9	1.2	ug/Kg			09/23/15 13:22	1
Vinyl acetate	2.5	U	9.9	2.5	ug/Kg			09/23/15 13:22	1
Vinyl chloride	1.5	U	4.9	1.5	ug/Kg			09/23/15 13:22	1
Xylenes, Total	1.1	U	9.9	1.1	ug/Kg			09/23/15 13:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		09/23/15 13:22	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		09/23/15 13:22	1
Dibromofluoromethane (Surr)	88		70 - 130		09/23/15 13:22	1
4-Bromofluorobenzene (Surr)	121		70 - 130		09/23/15 13:22	1

Lab Sample ID: LCS 680-402406/3

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	49.8	48.9		ug/Kg		98	70 - 130
1,1,1-Trichloroethane	49.8	46.1		ug/Kg		93	70 - 130
1,1,2,2-Tetrachloroethane	49.8	49.5		ug/Kg		99	70 - 130
1,1,2-Trichloroethane	49.8	49.7		ug/Kg		100	70 - 130
1,1-Dichloroethane	49.8	46.4		ug/Kg		93	70 - 130
1,1-Dichloroethene	49.8	45.4		ug/Kg		91	70 - 130
1,1-Dichloropropene	49.8	46.6		ug/Kg		94	70 - 130
1,2,3-Trichlorobenzene	49.8	42.6		ug/Kg		86	70 - 130
1,2,3-Trichloropropane	49.8	48.6		ug/Kg		98	70 - 130
1,2,4-Trichlorobenzene	49.8	44.3		ug/Kg		89	70 - 130
1,2,4-Trimethylbenzene	49.8	50.9		ug/Kg		102	70 - 130
1,2-Dibromo-3-Chloropropane	49.8	48.8		ug/Kg		98	40 - 160
1,2-Dichlorobenzene	49.8	48.8		ug/Kg		98	70 - 130
1,2-Dichloroethane	49.8	50.4		ug/Kg		101	70 - 130
1,2-Dichloroethene, Total	99.6	98.8		ug/Kg		99	70 - 130
1,2-Dichloropropane	49.8	51.2		ug/Kg		103	70 - 130
1,3,5-Trimethylbenzene	49.8	50.4		ug/Kg		101	70 - 130
1,3-Dichlorobenzene	49.8	48.7		ug/Kg		98	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-402406/3

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	49.8	50.4		ug/Kg		101	70 - 130
1,4-Dichlorobenzene	49.8	49.0		ug/Kg		98	70 - 130
2,2-Dichloropropane	49.8	46.5		ug/Kg		93	70 - 130
2-Chlorotoluene	49.8	47.6		ug/Kg		96	70 - 130
2-Hexanone	249	252		ug/Kg		101	40 - 160
4-Chlorotoluene	49.8	48.1		ug/Kg		97	70 - 130
Acetone	249	184		ug/Kg		74	40 - 160
Benzene	49.8	48.4		ug/Kg		97	70 - 130
Bromobenzene	49.8	47.3		ug/Kg		95	70 - 130
Bromochloromethane	49.8	47.5		ug/Kg		95	70 - 130
Bromoform	49.8	51.7		ug/Kg		104	70 - 130
Bromodichloromethane	49.8	48.8		ug/Kg		98	70 - 130
Bromomethane	49.8	41.4		ug/Kg		83	40 - 160
Carbon disulfide	49.8	44.7		ug/Kg		90	40 - 160
Carbon tetrachloride	49.8	47.6		ug/Kg		96	70 - 130
Chlorobenzene	49.8	46.4		ug/Kg		93	70 - 130
Chloroethane	49.8	46.8		ug/Kg		94	40 - 160
Chloroform	49.8	47.8		ug/Kg		96	70 - 130
Chloromethane	49.8	37.7		ug/Kg		76	40 - 160
cis-1,2-Dichloroethene	49.8	49.3		ug/Kg		99	70 - 130
cis-1,3-Dichloropropene	49.8	51.6		ug/Kg		104	70 - 130
Dibromochloromethane	49.8	50.5		ug/Kg		101	70 - 130
Dibromomethane	49.8	50.1		ug/Kg		101	70 - 130
Dichlorodifluoromethane	49.8	31.0		ug/Kg		62	40 - 160
Ethylbenzene	49.8	46.9		ug/Kg		94	70 - 130
Isopropylbenzene	49.8	48.3		ug/Kg		97	70 - 130
m-Xylene & p-Xylene	49.8	47.8		ug/Kg		96	70 - 130
Methyl tert-butyl ether	49.8	53.3		ug/Kg		107	70 - 130
Methylene Chloride	49.8	45.5		ug/Kg		91	70 - 130
4-Methyl-2-pentanone	249	249		ug/Kg		100	40 - 160
2-Butanone	249	258		ug/Kg		104	40 - 160
1,2-Dibromoethane	49.8	52.8		ug/Kg		106	70 - 130
n-Butylbenzene	49.8	55.0		ug/Kg		111	70 - 130
N-Propylbenzene	49.8	48.3		ug/Kg		97	70 - 130
o-Xylene	49.8	47.0		ug/Kg		94	70 - 130
p-Isopropyltoluene	49.8	50.8		ug/Kg		102	70 - 130
sec-Butylbenzene	49.8	48.7		ug/Kg		98	70 - 130
Styrene	49.8	47.9		ug/Kg		96	70 - 130
tert-Butylbenzene	49.8	48.4		ug/Kg		97	70 - 130
Tetrachloroethene	49.8	46.9		ug/Kg		94	70 - 130
Toluene	49.8	48.6		ug/Kg		98	70 - 130
trans-1,2-Dichloroethene	49.8	49.5		ug/Kg		99	70 - 130
trans-1,3-Dichloropropene	49.8	50.8		ug/Kg		102	70 - 130
Trichloroethene	49.8	48.4		ug/Kg		97	70 - 130
Trichlorofluoromethane	49.8	41.7		ug/Kg		84	40 - 160
Vinyl acetate	99.6	74.1		ug/Kg		74	70 - 130
Vinyl chloride	49.8	40.7		ug/Kg		82	70 - 130
Xylenes, Total	99.6	94.8		ug/Kg		95	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-402406/3

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 680-402406/4

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	48.9	51.0		ug/Kg		104	70 - 130	4	20
1,1,1-Trichloroethane	48.9	47.3		ug/Kg		97	70 - 130	3	20
1,1,1,2,2-Tetrachloroethane	48.9	49.7		ug/Kg		102	70 - 130	0	20
1,1,1,2-Trichloroethane	48.9	49.9		ug/Kg		102	70 - 130	0	20
1,1-Dichloroethane	48.9	49.2		ug/Kg		101	70 - 130	6	20
1,1-Dichloroethene	48.9	48.7		ug/Kg		99	70 - 130	7	20
1,1-Dichloropropene	48.9	49.0		ug/Kg		100	70 - 130	5	20
1,2,3-Trichlorobenzene	48.9	42.3		ug/Kg		86	70 - 130	1	20
1,2,3-Trichloropropane	48.9	50.9		ug/Kg		104	70 - 130	5	20
1,2,4-Trichlorobenzene	48.9	43.1		ug/Kg		88	70 - 130	3	20
1,2,4-Trimethylbenzene	48.9	52.5		ug/Kg		107	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	48.9	46.0		ug/Kg		94	40 - 160	6	20
1,2-Dichlorobenzene	48.9	49.2		ug/Kg		101	70 - 130	1	20
1,2-Dichloroethane	48.9	50.5		ug/Kg		103	70 - 130	0	20
1,2-Dichloroethene, Total	97.8	100		ug/Kg		103	70 - 130	2	20
1,2-Dichloropropane	48.9	51.4		ug/Kg		105	70 - 130	0	20
1,3,5-Trimethylbenzene	48.9	51.2		ug/Kg		105	70 - 130	2	20
1,3-Dichlorobenzene	48.9	49.1		ug/Kg		100	70 - 130	1	20
1,3-Dichloropropane	48.9	50.9		ug/Kg		104	70 - 130	1	20
1,4-Dichlorobenzene	48.9	48.7		ug/Kg		100	70 - 130	1	20
2,2-Dichloropropane	48.9	47.8		ug/Kg		98	70 - 130	3	20
2-Chlorotoluene	48.9	50.1		ug/Kg		102	70 - 130	5	20
2-Hexanone	245	250		ug/Kg		102	40 - 160	1	20
4-Chlorotoluene	48.9	51.3		ug/Kg		105	70 - 130	6	20
Acetone	245	210		ug/Kg		86	40 - 160	13	20
Benzene	48.9	49.7		ug/Kg		102	70 - 130	3	20
Bromobenzene	48.9	48.5		ug/Kg		99	70 - 130	2	20
Bromochloromethane	48.9	47.8		ug/Kg		98	70 - 130	1	20
Bromoform	48.9	52.5		ug/Kg		107	70 - 130	2	20
Bromodichloromethane	48.9	50.4		ug/Kg		103	70 - 130	3	20
Bromomethane	48.9	50.0		ug/Kg		102	40 - 160	19	20
Carbon disulfide	48.9	47.1		ug/Kg		96	40 - 160	5	20
Carbon tetrachloride	48.9	49.3		ug/Kg		101	70 - 130	3	20
Chlorobenzene	48.9	49.2		ug/Kg		101	70 - 130	6	20
Chloroethane	48.9	48.6		ug/Kg		99	40 - 160	4	20
Chloroform	48.9	48.7		ug/Kg		100	70 - 130	2	20
Chloromethane	48.9	38.8		ug/Kg		79	40 - 160	3	20
cis-1,2-Dichloroethene	48.9	49.5		ug/Kg		101	70 - 130	0	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-402406/4

Matrix: Solid

Analysis Batch: 402406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	48.9	53.1		ug/Kg		108	70 - 130	3	20
Dibromochloromethane	48.9	50.9		ug/Kg		104	70 - 130	1	20
Dibromomethane	48.9	50.8		ug/Kg		104	70 - 130	2	20
Dichlorodifluoromethane	48.9	32.4		ug/Kg		66	40 - 160	4	20
Ethylbenzene	48.9	49.6		ug/Kg		101	70 - 130	6	20
Isopropylbenzene	48.9	50.7		ug/Kg		104	70 - 130	5	20
m-Xylene & p-Xylene	48.9	50.4		ug/Kg		103	70 - 130	5	20
Methyl tert-butyl ether	48.9	52.1		ug/Kg		106	70 - 130	2	20
Methylene Chloride	48.9	48.4		ug/Kg		99	70 - 130	6	20
4-Methyl-2-pentanone	245	247		ug/Kg		101	40 - 160	1	20
2-Butanone	245	241		ug/Kg		99	40 - 160	7	20
1,2-Dibromoethane	48.9	52.1		ug/Kg		107	70 - 130	1	20
n-Butylbenzene	48.9	54.2		ug/Kg		111	70 - 130	2	20
N-Propylbenzene	48.9	51.5		ug/Kg		105	70 - 130	6	20
o-Xylene	48.9	49.0		ug/Kg		100	70 - 130	4	20
p-Isopropyltoluene	48.9	50.9		ug/Kg		104	70 - 130	0	20
sec-Butylbenzene	48.9	50.9		ug/Kg		104	70 - 130	4	20
Styrene	48.9	50.3		ug/Kg		103	70 - 130	5	20
tert-Butylbenzene	48.9	50.6		ug/Kg		103	70 - 130	4	20
Tetrachloroethene	48.9	48.8		ug/Kg		100	70 - 130	4	20
Toluene	48.9	49.2		ug/Kg		101	70 - 130	1	20
trans-1,2-Dichloroethene	48.9	50.8		ug/Kg		104	70 - 130	3	20
trans-1,3-Dichloropropene	48.9	50.6		ug/Kg		104	70 - 130	0	20
Trichloroethene	48.9	50.5		ug/Kg		103	70 - 130	4	20
Trichlorofluoromethane	48.9	46.3		ug/Kg		95	40 - 160	10	20
Vinyl acetate	97.8	74.5		ug/Kg		76	70 - 130	1	20
Vinyl chloride	48.9	43.1		ug/Kg		88	70 - 130	6	20
Xylenes, Total	97.8	99.4		ug/Kg		102	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Method: SM 6200B - SM 6200B

Lab Sample ID: MB 680-402348/9

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/23/15 09:18	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			09/23/15 09:18	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			09/23/15 09:18	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			09/23/15 09:18	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			09/23/15 09:18	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			09/23/15 09:18	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: SM 6200B - SM 6200B (Continued)

Lab Sample ID: MB 680-402348/9

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			09/23/15 09:18	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			09/23/15 09:18	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			09/23/15 09:18	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			09/23/15 09:18	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			09/23/15 09:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			09/23/15 09:18	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			09/23/15 09:18	1
1,2-Dichloroethene, Total	0.37	U	2.0	0.37	ug/L			09/23/15 09:18	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			09/23/15 09:18	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			09/23/15 09:18	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			09/23/15 09:18	1
2-Chloroethyl vinyl ether	5.0	U	10	5.0	ug/L			09/23/15 09:18	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			09/23/15 09:18	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			09/23/15 09:18	1
2-Hexanone	2.0	U	10	2.0	ug/L			09/23/15 09:18	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			09/23/15 09:18	1
Acetone	7.0	U	10	7.0	ug/L			09/23/15 09:18	1
Benzene	0.43	U	1.0	0.43	ug/L			09/23/15 09:18	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			09/23/15 09:18	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			09/23/15 09:18	1
Bromoform	0.43	U	1.0	0.43	ug/L			09/23/15 09:18	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			09/23/15 09:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/23/15 09:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/23/15 09:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/23/15 09:18	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			09/23/15 09:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/23/15 09:18	1
Chloroform	0.50	U	1.0	0.50	ug/L			09/23/15 09:18	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/23/15 09:18	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			09/23/15 09:18	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			09/23/15 09:18	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			09/23/15 09:18	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			09/23/15 09:18	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			09/23/15 09:18	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			09/23/15 09:18	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			09/23/15 09:18	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			09/23/15 09:18	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			09/23/15 09:18	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			09/23/15 09:18	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			09/23/15 09:18	1
2-Butanone	3.4	U	10	3.4	ug/L			09/23/15 09:18	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			09/23/15 09:18	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			09/23/15 09:18	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			09/23/15 09:18	1
o-Xylene	0.23	U	1.0	0.23	ug/L			09/23/15 09:18	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			09/23/15 09:18	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			09/23/15 09:18	1
Styrene	0.27	U	1.0	0.27	ug/L			09/23/15 09:18	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: SM 6200B - SM 6200B (Continued)

Lab Sample ID: MB 680-402348/9

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			09/23/15 09:18	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			09/23/15 09:18	1
Toluene	0.48	U	1.0	0.48	ug/L			09/23/15 09:18	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			09/23/15 09:18	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			09/23/15 09:18	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			09/23/15 09:18	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			09/23/15 09:18	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			09/23/15 09:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/23/15 09:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			09/23/15 09:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		09/23/15 09:18	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		09/23/15 09:18	1
Dibromofluoromethane (Surr)	102		70 - 130		09/23/15 09:18	1
4-Bromofluorobenzene (Surr)	114		70 - 130		09/23/15 09:18	1

Lab Sample ID: LCS 680-402348/4

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 120
1,1,1-Trichloroethane	50.0	52.4		ug/L		105	74 - 128
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/L		110	72 - 128
1,1,2-Trichloroethane	50.0	58.7		ug/L		117	79 - 125
1,1-Dichloroethane	50.0	48.2		ug/L		96	80 - 120
1,1-Dichloroethene	50.0	46.1		ug/L		92	74 - 125
1,1-Dichloropropene	50.0	49.7		ug/L		99	78 - 127
1,2,3-Trichlorobenzene	50.0	41.9		ug/L		84	61 - 151
1,2,3-Trichloropropane	50.0	55.7		ug/L		111	70 - 132
1,2,4-Trichlorobenzene	50.0	41.1		ug/L		82	77 - 131
1,2,4-Trimethylbenzene	50.0	47.3		ug/L		95	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	42.5		ug/L		85	59 - 141
1,2-Dichloroethane	50.0	56.8		ug/L		114	75 - 130
1,2-Dichloroethene, Total	100	103		ug/L		103	80 - 120
1,2-Dichloropropane	50.0	56.0		ug/L		112	80 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	80 - 120
1,3-Dichloropropane	50.0	59.3		ug/L		119	78 - 127
2-Chloroethyl vinyl ether	50.0	61.0		ug/L		122	10 - 190
2,2-Dichloropropane	50.0	51.0		ug/L		102	72 - 133
2-Chlorotoluene	50.0	49.9		ug/L		100	77 - 121
2-Hexanone	250	301		ug/L		120	70 - 141
4-Chlorotoluene	50.0	50.7		ug/L		101	80 - 120
Acetone	250	253		ug/L		101	60 - 154
Benzene	50.0	52.4		ug/L		105	73 - 131
Bromobenzene	50.0	51.2		ug/L		102	79 - 124
Bromochloromethane	50.0	49.7		ug/L		99	77 - 122

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: SM 6200B - SM 6200B (Continued)

Lab Sample ID: LCS 680-402348/4

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	46.7		ug/L		93	69 - 135
Bromodichloromethane	50.0	60.7		ug/L		121	77 - 129
Bromomethane	50.0	49.8		ug/L		100	20 - 180
Carbon disulfide	50.0	42.2		ug/L		84	73 - 127
Carbon tetrachloride	50.0	52.6		ug/L		105	75 - 130
Chlorobenzene	50.0	50.6		ug/L		101	80 - 120
Chloroethane	50.0	50.6		ug/L		101	50 - 151
Chloroform	50.0	54.2		ug/L		108	79 - 122
Chloromethane	50.0	42.5		ug/L		85	63 - 126
cis-1,2-Dichloroethene	50.0	52.9		ug/L		106	80 - 122
cis-1,3-Dichloropropene	50.0	60.7		ug/L		121	80 - 133
Dibromochloromethane	50.0	52.0		ug/L		104	71 - 136
Dibromomethane	50.0	58.2		ug/L		116	80 - 122
Dichlorodifluoromethane	50.0	42.6		ug/L		85	51 - 140
Ethylbenzene	50.0	50.1		ug/L		100	80 - 120
Isopropylbenzene	50.0	50.0		ug/L		100	80 - 120
m-Xylene & p-Xylene	50.0	49.5		ug/L		99	80 - 120
Methyl tert-butyl ether	50.0	58.8		ug/L		118	74 - 135
Methylene Chloride	50.0	46.9		ug/L		94	76 - 129
4-Methyl-2-pentanone	250	305		ug/L		122	75 - 135
2-Butanone	250	286		ug/L		114	75 - 133
1,2-Dibromoethane	50.0	58.5		ug/L		117	77 - 131
n-Butylbenzene	50.0	45.3		ug/L		91	78 - 124
N-Propylbenzene	50.0	49.4		ug/L		99	80 - 120
o-Xylene	50.0	51.3		ug/L		103	80 - 120
p-Isopropyltoluene	50.0	40.4		ug/L		81	80 - 120
sec-Butylbenzene	50.0	44.5		ug/L		89	76 - 125
Styrene	50.0	53.8		ug/L		108	80 - 122
tert-Butylbenzene	50.0	45.2		ug/L		90	80 - 120
Tetrachloroethene	50.0	50.5		ug/L		101	77 - 123
Toluene	50.0	53.1		ug/L		106	80 - 122
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	78 - 123
trans-1,3-Dichloropropene	50.0	53.0		ug/L		106	74 - 140
Trichloroethene	50.0	51.7		ug/L		103	80 - 123
Trichlorofluoromethane	50.0	44.8		ug/L		90	58 - 145
Vinyl acetate	100	87.2		ug/L		87	15 - 190
Vinyl chloride	50.0	45.0		ug/L		90	68 - 132
Xylenes, Total	100	101		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: SM 6200B - SM 6200B (Continued)

Lab Sample ID: LCSD 680-402348/5

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 120	0	20
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	74 - 128	2	20
1,1,2,2-Tetrachloroethane	50.0	55.8		ug/L		112	72 - 128	2	20
1,1,2-Trichloroethane	50.0	56.3		ug/L		113	79 - 125	4	20
1,1-Dichloroethane	50.0	45.7		ug/L		91	80 - 120	5	20
1,1-Dichloroethene	50.0	45.4		ug/L		91	74 - 125	2	20
1,1-Dichloropropene	50.0	52.0		ug/L		104	78 - 127	4	20
1,2,3-Trichlorobenzene	50.0	42.6		ug/L		85	61 - 151	2	40
1,2,3-Trichloropropane	50.0	56.3		ug/L		113	70 - 132	1	30
1,2,4-Trichlorobenzene	50.0	42.0		ug/L		84	77 - 131	2	20
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	80 - 124	3	20
1,2-Dibromo-3-Chloropropane	50.0	42.3		ug/L		85	59 - 141	1	30
1,2-Dichloroethane	50.0	54.3		ug/L		109	75 - 130	4	20
1,2-Dichloroethene, Total	100	102		ug/L		102	80 - 120	0	20
1,2-Dichloropropane	50.0	54.0		ug/L		108	80 - 123	4	20
1,3,5-Trimethylbenzene	50.0	52.6		ug/L		105	80 - 120	5	20
1,3-Dichloropropane	50.0	56.8		ug/L		114	78 - 127	4	20
2-Chloroethyl vinyl ether	50.0	59.0		ug/L		118	10 - 190	3	50
2,2-Dichloropropane	50.0	52.4		ug/L		105	72 - 133	3	20
2-Chlorotoluene	50.0	51.7		ug/L		103	77 - 121	4	20
2-Hexanone	250	297		ug/L		119	70 - 141	1	40
4-Chlorotoluene	50.0	52.4		ug/L		105	80 - 120	3	20
Acetone	250	250		ug/L		100	60 - 154	1	40
Benzene	50.0	52.7		ug/L		105	73 - 131	1	30
Bromobenzene	50.0	52.0		ug/L		104	79 - 124	2	20
Bromochloromethane	50.0	47.4		ug/L		95	77 - 122	5	20
Bromoform	50.0	46.7		ug/L		93	69 - 135	0	20
Bromodichloromethane	50.0	58.4		ug/L		117	77 - 129	4	20
Bromomethane	50.0	48.8		ug/L		98	20 - 180	2	40
Carbon disulfide	50.0	43.2		ug/L		86	73 - 127	2	20
Carbon tetrachloride	50.0	55.1		ug/L		110	75 - 130	5	20
Chlorobenzene	50.0	51.1		ug/L		102	80 - 120	1	20
Chloroethane	50.0	52.9		ug/L		106	50 - 151	5	30
Chloroform	50.0	53.4		ug/L		107	79 - 122	1	20
Chloromethane	50.0	41.2		ug/L		82	63 - 126	3	30
cis-1,2-Dichloroethene	50.0	52.1		ug/L		104	80 - 122	1	20
cis-1,3-Dichloropropene	50.0	58.6		ug/L		117	80 - 133	3	20
Dibromochloromethane	50.0	51.4		ug/L		103	71 - 136	1	20
Dibromomethane	50.0	55.9		ug/L		112	80 - 122	4	20
Dichlorodifluoromethane	50.0	43.0		ug/L		86	51 - 140	1	40
Ethylbenzene	50.0	51.9		ug/L		104	80 - 120	3	20
Isopropylbenzene	50.0	53.4		ug/L		107	80 - 120	7	20
m-Xylene & p-Xylene	50.0	52.5		ug/L		105	80 - 120	6	20
Methyl tert-butyl ether	50.0	56.8		ug/L		114	74 - 135	4	20
Methylene Chloride	50.0	45.4		ug/L		91	76 - 129	3	20
4-Methyl-2-pentanone	250	300		ug/L		120	75 - 135	2	30
2-Butanone	250	271		ug/L		108	75 - 133	5	30
1,2-Dibromoethane	50.0	56.5		ug/L		113	77 - 131	3	30

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: SM 6200B - SM 6200B (Continued)

Lab Sample ID: LCSD 680-402348/5

Matrix: Water

Analysis Batch: 402348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Butylbenzene	50.0	47.9		ug/L		96	78 - 124	6	20
N-Propylbenzene	50.0	52.9		ug/L		106	80 - 120	7	20
o-Xylene	50.0	53.0		ug/L		106	80 - 120	3	20
p-Isopropyltoluene	50.0	42.3		ug/L		85	80 - 120	5	20
sec-Butylbenzene	50.0	47.7		ug/L		95	76 - 125	7	30
Styrene	50.0	54.4		ug/L		109	80 - 122	1	20
tert-Butylbenzene	50.0	48.6		ug/L		97	80 - 120	7	20
Tetrachloroethene	50.0	51.5		ug/L		103	77 - 123	2	20
Toluene	50.0	52.9		ug/L		106	80 - 122	0	20
trans-1,2-Dichloroethene	50.0	50.4		ug/L		101	78 - 123	1	20
trans-1,3-Dichloropropene	50.0	51.4		ug/L		103	74 - 140	3	20
Trichloroethene	50.0	52.6		ug/L		105	80 - 123	2	20
Trichlorofluoromethane	50.0	45.2		ug/L		90	58 - 145	1	30
Vinyl acetate	100	80.9		ug/L		81	15 - 190	7	50
Vinyl chloride	50.0	44.5		ug/L		89	68 - 132	1	30
Xylenes, Total	100	106		ug/L		106	80 - 120	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 680-402448/9-A

Matrix: Solid

Analysis Batch: 402546

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 402448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	11	U	33	11	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1221	15	U	33	15	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1232	5.2	U	33	5.2	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1242	5.0	U	33	5.0	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1248	8.2	U	33	8.2	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1254	10	U	33	10	ug/Kg		09/23/15 12:39	09/23/15 22:26	1
PCB-1260	9.6	U	33	9.6	ug/Kg		09/23/15 12:39	09/23/15 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		46 - 130	09/23/15 12:39	09/23/15 22:26	1
DCB Decachlorobiphenyl	69		54 - 133	09/23/15 12:39	09/23/15 22:26	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-402448/10-A
Matrix: Solid
Analysis Batch: 402546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402448
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	400	347		ug/Kg		87	43 - 130
PCB-1260	400	320		ug/Kg		80	45 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	87		46 - 130				
DCB Decachlorobiphenyl	72		54 - 133				

Lab Sample ID: LCSD 680-402448/19-A
Matrix: Solid
Analysis Batch: 402546

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 402448
%Rec. RPD

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	400	320		ug/Kg		80	43 - 130	8	50
PCB-1260	400	309		ug/Kg		77	45 - 130	4	50
Surrogate	%Recovery	LCSD Qualifier	Limits						
Tetrachloro-m-xylene	72		46 - 130						
DCB Decachlorobiphenyl	71		54 - 133						

Lab Sample ID: 400-110975-C-31-B MS
Matrix: Solid
Analysis Batch: 402546

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 402448
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	12	U	424	365		ug/Kg	✱	86	43 - 130
PCB-1260	63	F1	424	266		ug/Kg	✱	48	45 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	93		46 - 130						
DCB Decachlorobiphenyl	43	X	54 - 133						

Lab Sample ID: 400-110975-C-31-C MSD
Matrix: Solid
Analysis Batch: 402546

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 402448
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	12	U	424	296		ug/Kg	✱	70	43 - 130	21	50
PCB-1260	63	F1	424	182	F1	ug/Kg	✱	28	45 - 130	37	50
Surrogate	%Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	50	p	46 - 130								
DCB Decachlorobiphenyl	23	X	54 - 133								

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-402521/1-A
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.45	U	1.0	0.45	mg/Kg			09/24/15 08:43	1
Nitrate Nitrite as N	0.45	U	1.0	0.45	mg/Kg			09/24/15 08:43	1
Nitrite as N	0.45	U	1.0	0.45	mg/Kg			09/24/15 08:43	1

Lab Sample ID: LCS 680-402521/2-A
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	20.0	20.0		mg/Kg		100	75 - 125
Nitrate Nitrite as N	39.9	39.3		mg/Kg		98	75 - 125
Nitrite as N	19.9	19.3		mg/Kg		97	75 - 125

Lab Sample ID: LCSD 680-402521/3-A
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	20.0	21.0		mg/Kg		105	75 - 125	5	30
Nitrate Nitrite as N	39.9	41.2		mg/Kg		103	75 - 125	5	30
Nitrite as N	19.9	20.2		mg/Kg		101	75 - 125	5	30

Lab Sample ID: 680-117013-1 MS
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: CC06_09212015_1300
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.5	U	116	117		mg/Kg	☼	101	75 - 125
Nitrate Nitrite as N	2.5	U	231	210		mg/Kg	☼	91	75 - 125
Nitrite as N	2.5	U	115	93.2		mg/Kg	☼	81	75 - 125

Lab Sample ID: 680-117013-1 MSD
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: CC06_09212015_1300
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.5	U	115	117		mg/Kg	☼	102	75 - 125	0	30
Nitrate Nitrite as N	2.5	U	230	210		mg/Kg	☼	92	75 - 125	0	30
Nitrite as N	2.5	U	115	93.3		mg/Kg	☼	81	75 - 125	0	30

Lab Sample ID: 680-117013-1 DU
Matrix: Solid
Analysis Batch: 402647

Client Sample ID: CC06_09212015_1300
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	2.5	U	2.6	U	mg/Kg	☼	NC	30
Nitrate Nitrite as N	2.5	U	2.6	U	mg/Kg	☼	NC	30
Nitrite as N	2.5	U	2.6	U	mg/Kg	☼	NC	30

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-402446/1-A
Matrix: Solid
Analysis Batch: 402630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 402446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.6	U	49	8.6	mg/Kg		09/23/15 11:52	09/23/15 16:36	1
Potassium	2.4	U	97	2.4	mg/Kg		09/23/15 11:52	09/23/15 16:36	1
Beryllium	0.0097	U	0.39	0.0097	mg/Kg		09/23/15 11:52	09/23/15 16:36	1
Vanadium	0.097	U	0.97	0.097	mg/Kg		09/23/15 11:52	09/23/15 16:36	1

Lab Sample ID: MB 680-402446/1-A
Matrix: Solid
Analysis Batch: 402754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 402446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.80	U	1.9	0.80	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Selenium	0.94	U	2.4	0.94	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Nickel	0.37	U	3.9	0.37	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Lead	0.33	U	0.97	0.33	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Manganese	0.097	U	0.97	0.097	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Iron	5.1	U	19	5.1	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Chromium	0.20	U	0.97	0.20	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Copper	0.17	U	2.4	0.17	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Barium	0.16	U	0.97	0.16	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Silver	0.058	U	0.97	0.058	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Aluminum	3.0	U	19	3.0	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Arsenic	0.78	U	1.9	0.78	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Cadmium	0.097	U	0.49	0.097	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Calcium	5.0	U	49	5.0	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Cobalt	0.097	U	0.97	0.097	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Sodium	47	U	190	47	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Thallium	0.58	U	2.4	0.58	mg/Kg		09/23/15 11:52	09/24/15 13:29	1
Zinc	0.68	U	1.9	0.68	mg/Kg		09/23/15 11:52	09/24/15 13:29	1

Lab Sample ID: LCS 680-402446/2-A
Matrix: Solid
Analysis Batch: 402630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402446
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Magnesium	472	475		mg/Kg		101	80 - 120
Potassium	472	494		mg/Kg		105	80 - 120
Beryllium	4.72	5.01		mg/Kg		106	80 - 120
Vanadium	9.43	9.48		mg/Kg		101	80 - 120

Lab Sample ID: LCS 680-402446/2-A
Matrix: Solid
Analysis Batch: 402754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402446
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	4.72	4.99		mg/Kg		106	80 - 120
Selenium	9.43	9.59		mg/Kg		102	80 - 120
Nickel	9.43	9.75		mg/Kg		103	80 - 120
Lead	47.2	47.7		mg/Kg		101	80 - 120
Manganese	47.2	49.6		mg/Kg		105	80 - 120

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-402446/2-A
Matrix: Solid
Analysis Batch: 402754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402446
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Iron	472	475		mg/Kg		101	80 - 120
Chromium	9.43	9.99		mg/Kg		106	80 - 120
Copper	9.43	9.83		mg/Kg		104	80 - 120
Barium	9.43	9.77		mg/Kg		104	80 - 120
Silver	4.72	4.88		mg/Kg		104	80 - 120
Aluminum	472	459		mg/Kg		97	80 - 120
Arsenic	9.43	10.3		mg/Kg		109	80 - 120
Cadmium	4.72	5.04		mg/Kg		107	80 - 120
Calcium	472	489		mg/Kg		104	80 - 120
Cobalt	4.72	5.03		mg/Kg		107	80 - 120
Sodium	472	500		mg/Kg		106	80 - 120
Thallium	3.77	3.98		mg/Kg		105	80 - 120
Zinc	9.43	9.87		mg/Kg		105	80 - 120

Lab Sample ID: 680-117013-1 MS
Matrix: Solid
Analysis Batch: 402630

Client Sample ID: CC06_09212015_1300
Prep Type: Total/NA
Prep Batch: 402446
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Magnesium	100	J	2480	2520		mg/Kg	☼	97	75 - 125
Potassium	13	U	2480	2670		mg/Kg	☼	108	75 - 125
Beryllium	0.19	J	24.8	27.2		mg/Kg	☼	109	75 - 125
Vanadium	71		49.5	109		mg/Kg	☼	76	75 - 125

Lab Sample ID: 680-117013-1 MS
Matrix: Solid
Analysis Batch: 402754

Client Sample ID: CC06_09212015_1300
Prep Type: Total/NA
Prep Batch: 402446
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	42	U	24.8	41	U	mg/Kg	☼	NC	75 - 125
Selenium	50	U F1	49.5	48.9	J	mg/Kg	☼	99	75 - 125
Nickel	20	U	49.5	39.6	J	mg/Kg	☼	80	75 - 125
Lead	80		248	308		mg/Kg	☼	92	75 - 125
Manganese	210		248	432		mg/Kg	☼	90	75 - 125
Iron	530000		2480	524000	4	mg/Kg	☼	-389	75 - 125
Chromium	16	J	49.5	67.1		mg/Kg	☼	102	75 - 125
Copper	1800	F2	49.5	2280	4	mg/Kg	☼	1004	75 - 125
Barium	8.2	U F1	49.5	34.1	J F1	mg/Kg	☼	69	75 - 125
Silver	3.1	U	24.8	25.1	J	mg/Kg	☼	101	75 - 125
Aluminum	3600		2480	5630		mg/Kg	☼	81	75 - 125
Arsenic	340	F2	49.5	312	4	mg/Kg	☼	-53	75 - 125
Cadmium	5.1	U F1	24.8	16.3	J F1	mg/Kg	☼	66	75 - 125
Calcium	270	U	2480	1870	J	mg/Kg	☼	75	75 - 125
Cobalt	5.1	U	24.8	24.9	J	mg/Kg	☼	101	75 - 125
Sodium	2500	U F1	2480	2400	U F1	mg/Kg	☼	0	75 - 125
Thallium	31	U	19.8	30	U	mg/Kg	☼	NC	75 - 125
Zinc	340		49.5	350	4	mg/Kg	☼	19	75 - 125

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-117013-1 MSD

Matrix: Solid

Analysis Batch: 402630

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	100	J	2570	2620		mg/Kg	☼	98	75 - 125	4	20
Potassium	13	U	2570	2790		mg/Kg	☼	109	75 - 125	4	20
Beryllium	0.19	J	25.7	28.1		mg/Kg	☼	109	75 - 125	4	20
Vanadium	71		51.3	128		mg/Kg	☼	111	75 - 125	16	20

Lab Sample ID: 680-117013-1 MSD

Matrix: Solid

Analysis Batch: 402754

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	42	U	25.7	49.7	J	mg/Kg	☼	NC	75 - 125	NC	20
Selenium	50	U F1	51.3	50	U F1	mg/Kg	☼	0	75 - 125	NC	20
Nickel	20	U	51.3	41.3	J	mg/Kg	☼	80	75 - 125	4	20
Lead	80		257	314		mg/Kg	☼	91	75 - 125	2	20
Manganese	210		257	445		mg/Kg	☼	92	75 - 125	3	20
Iron	530000		2570	533000	4	mg/Kg	☼	-36	75 - 125	2	20
Chromium	16	J	51.3	66.1		mg/Kg	☼	97	75 - 125	2	20
Copper	1800	F2	51.3	1750	4 F2	mg/Kg	☼	-52	75 - 125	26	20
Barium	8.2	U F1	51.3	33.7	J F1	mg/Kg	☼	66	75 - 125	1	20
Silver	3.1	U	25.7	23.6	J	mg/Kg	☼	92	75 - 125	6	20
Aluminum	3600		2570	5620		mg/Kg	☼	78	75 - 125	0	20
Arsenic	340	F2	51.3	396	4 F2	mg/Kg	☼	112	75 - 125	24	20
Cadmium	5.1	U F1	25.7	17.0	J F1	mg/Kg	☼	66	75 - 125	4	20
Calcium	270	U	2570	1960	J	mg/Kg	☼	77	75 - 125	5	20
Cobalt	5.1	U	25.7	24.9	J	mg/Kg	☼	97	75 - 125	0	20
Sodium	2500	U F1	2570	2500	U F1	mg/Kg	☼	0	75 - 125	NC	20
Thallium	31	U	20.5	31	U	mg/Kg	☼	NC	75 - 125	NC	20
Zinc	340		51.3	332	4	mg/Kg	☼	-15	75 - 125	5	20

Lab Sample ID: 680-117013-1 DU

Matrix: Solid

Analysis Batch: 402630

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402446

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Magnesium	100	J	117	J	mg/Kg	☼	13	20
Potassium	13	U	13	U	mg/Kg	☼	NC	20
Beryllium	0.19	J	0.166	J	mg/Kg	☼	13	20
Vanadium	71		110	F3	mg/Kg	☼	43	20

Lab Sample ID: 680-117013-1 DU

Matrix: Solid

Analysis Batch: 402754

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402446

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	42	U	43	U	mg/Kg	☼	NC	20
Selenium	50	U F1	51	U	mg/Kg	☼	NC	20
Nickel	20	U	20	U	mg/Kg	☼	NC	20
Lead	80		73.9		mg/Kg	☼	8	20
Manganese	210		212		mg/Kg	☼	1	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-117013-1 DU

Matrix: Solid

Analysis Batch: 402754

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402446

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	530000		470000		mg/Kg	✖	13	20
Chromium	16	J	18.1	J	mg/Kg	✖	10	20
Copper	1800	F2	965	F3	mg/Kg	✖	59	20
Barium	8.2	U F1	8.4	U	mg/Kg	✖	NC	20
Silver	3.1	U	3.1	U	mg/Kg	✖	NC	20
Aluminum	3600		3500		mg/Kg	✖	3	20
Arsenic	340	F2	348		mg/Kg	✖	3	20
Cadmium	5.1	U F1	5.2	U	mg/Kg	✖	NC	20
Calcium	270	U	270	U	mg/Kg	✖	NC	20
Cobalt	5.1	U	5.2	U	mg/Kg	✖	NC	20
Sodium	2500	U F1	2500	U	mg/Kg	✖	NC	20
Thallium	31	U	31	U	mg/Kg	✖	NC	20
Zinc	340		239	F3	mg/Kg	✖	35	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 680-402360/13-A

Matrix: Solid

Analysis Batch: 402533

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 402360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0073	U	0.018	0.0073	mg/Kg		09/23/15 08:28	09/23/15 15:32	1

Lab Sample ID: LCS 680-402360/14-A

Matrix: Solid

Analysis Batch: 402533

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 402360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.223	0.232		mg/Kg		104	80 - 120

Lab Sample ID: 680-116830-B-1-C MS

Matrix: Solid

Analysis Batch: 402533

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 402360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.017	J	0.107	0.126		mg/Kg	✖	101	80 - 120

Lab Sample ID: 680-116830-B-1-D MSD

Matrix: Solid

Analysis Batch: 402533

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 402360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.017	J	0.113	0.135		mg/Kg	✖	104	80 - 120	7	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-402487/1-A
Matrix: Solid
Analysis Batch: 402534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 402487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.13	U	0.30	0.13	mg/Kg		09/23/15 13:47	09/23/15 14:50	1

Lab Sample ID: LCS 680-402487/2-A
Matrix: Solid
Analysis Batch: 402534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402487
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Ammonia	5.00	4.73		mg/Kg		95	75 - 125

Lab Sample ID: 680-117013-1 MS
Matrix: Solid
Analysis Batch: 402534

Client Sample ID: CC06_09212015_1300
Prep Type: Total/NA
Prep Batch: 402487
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Ammonia	0.71	U	28.5	22.1		mg/Kg	✖	78	75 - 125

Lab Sample ID: 680-117013-1 MSD
Matrix: Solid
Analysis Batch: 402534

Client Sample ID: CC06_09212015_1300
Prep Type: Total/NA
Prep Batch: 402487
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ammonia	0.71	U	28.4	22.2		mg/Kg	✖	78	75 - 125	0	30

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 680-402518/1-A
Matrix: Solid
Analysis Batch: 402670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 402518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	30	U	50	30	mg/Kg		09/23/15 16:15	09/24/15 10:48	1

Lab Sample ID: LCS 680-402518/2-A
Matrix: Solid
Analysis Batch: 402670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 402518
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Nitrogen, Kjeldahl	400	416		mg/Kg		104	75 - 125

Lab Sample ID: 680-117013-1 MS
Matrix: Solid
Analysis Batch: 402670

Client Sample ID: CC06_09212015_1300
Prep Type: Total/NA
Prep Batch: 402518
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Nitrogen, Kjeldahl	140	U	1940	2110		mg/Kg	✖	109	75 - 125

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 680-117013-1 MSD

Matrix: Solid

Analysis Batch: 402670

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	140	U	1990	2140		mg/Kg	☼	108	75 - 125	2	40

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 680-402456/1-A

Matrix: Solid

Analysis Batch: 402573

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 402456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.21	U	0.50	0.21	mg/Kg		09/23/15 11:45	09/24/15 04:42	1

Lab Sample ID: LCS 680-402456/2-A

Matrix: Solid

Analysis Batch: 402573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 402456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	4.87		mg/Kg		97	75 - 125

Lab Sample ID: 680-117013-1 MS

Matrix: Solid

Analysis Batch: 402573

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	1.2	U	27.1	27.0		mg/Kg	☼	99	75 - 125

Lab Sample ID: 680-117013-1 MSD

Matrix: Solid

Analysis Batch: 402573

Client Sample ID: CC06_09212015_1300

Prep Type: Total/NA

Prep Batch: 402456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	1.2	U	27.1	26.6		mg/Kg	☼	98	75 - 125	1	30

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

GC/MS VOA

Analysis Batch: 402348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-2	Trip Blank	Total/NA	Water	SM 6200B	
LCS 680-402348/4	Lab Control Sample	Total/NA	Water	SM 6200B	
LCSD 680-402348/5	Lab Control Sample Dup	Total/NA	Water	SM 6200B	
MB 680-402348/9	Method Blank	Total/NA	Water	SM 6200B	

Analysis Batch: 402406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	8260B	402440
LCS 680-402406/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-402406/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 680-402406/6	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 402440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 402448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-110975-C-31-B MS	Matrix Spike	Total/NA	Solid	3546	
400-110975-C-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
680-117013-1	CC06_09212015_1300	Total/NA	Solid	3546	
LCS 680-402448/10-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 680-402448/19-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 680-402448/9-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 402546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-110975-C-31-B MS	Matrix Spike	Total/NA	Solid	8082A	402448
400-110975-C-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	402448
680-117013-1	CC06_09212015_1300	Total/NA	Solid	8082A	402448
LCS 680-402448/10-A	Lab Control Sample	Total/NA	Solid	8082A	402448
LCSD 680-402448/19-A	Lab Control Sample Dup	Total/NA	Solid	8082A	402448
MB 680-402448/9-A	Method Blank	Total/NA	Solid	8082A	402448

HPLC/IC

Leach Batch: 402521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Soluble	Solid	DI Leach	
680-117013-1 DU	CC06_09212015_1300	Soluble	Solid	DI Leach	
680-117013-1 MS	CC06_09212015_1300	Soluble	Solid	DI Leach	
680-117013-1 MSD	CC06_09212015_1300	Soluble	Solid	DI Leach	
LCS 680-402521/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 680-402521/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
MB 680-402521/1-A	Method Blank	Soluble	Solid	DI Leach	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

HPLC/IC (Continued)

Analysis Batch: 402647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Soluble	Solid	9056A	402521
680-117013-1 DU	CC06_09212015_1300	Soluble	Solid	9056A	402521
680-117013-1 MS	CC06_09212015_1300	Soluble	Solid	9056A	402521
680-117013-1 MSD	CC06_09212015_1300	Soluble	Solid	9056A	402521
LCS 680-402521/2-A	Lab Control Sample	Soluble	Solid	9056A	402521
LCS 680-402521/3-A	Lab Control Sample Dup	Soluble	Solid	9056A	402521
MB 680-402521/1-A	Method Blank	Soluble	Solid	9056A	402521

Metals

Prep Batch: 402360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116830-B-1-C MS	Matrix Spike	Total/NA	Solid	7471A	
680-116830-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
680-117013-1	CC06_09212015_1300	Total/NA	Solid	7471A	
LCS 680-402360/14-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 680-402360/13-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 402446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	3050B	
680-117013-1 DU	CC06_09212015_1300	Total/NA	Solid	3050B	
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	3050B	
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	3050B	
LCS 680-402446/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-402446/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 402533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116830-B-1-C MS	Matrix Spike	Total/NA	Solid	7471A	402360
680-116830-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	402360
680-117013-1	CC06_09212015_1300	Total/NA	Solid	7471A	402360
LCS 680-402360/14-A	Lab Control Sample	Total/NA	Solid	7471A	402360
MB 680-402360/13-A	Method Blank	Total/NA	Solid	7471A	402360

Analysis Batch: 402630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 DU	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	6010C	402446
LCS 680-402446/2-A	Lab Control Sample	Total/NA	Solid	6010C	402446
MB 680-402446/1-A	Method Blank	Total/NA	Solid	6010C	402446

Analysis Batch: 402754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 DU	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	6010C	402446
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	6010C	402446

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Metals (Continued)

Analysis Batch: 402754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-402446/2-A	Lab Control Sample	Total/NA	Solid	6010C	402446
MB 680-402446/1-A	Method Blank	Total/NA	Solid	6010C	402446

General Chemistry

Analysis Batch: 402436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	Moisture	

Prep Batch: 402456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	9012B	
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	9012B	
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	9012B	
LCS 680-402456/2-A	Lab Control Sample	Total/NA	Solid	9012B	
MB 680-402456/1-A	Method Blank	Total/NA	Solid	9012B	

Prep Batch: 402487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	3-154	
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	3-154	
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	3-154	
LCS 680-402487/2-A	Lab Control Sample	Total/NA	Solid	3-154	
MB 680-402487/1-A	Method Blank	Total/NA	Solid	3-154	

Prep Batch: 402518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	Digestion	
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	Digestion	
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	Digestion	
LCS 680-402518/2-A	Lab Control Sample	Total/NA	Solid	Digestion	
MB 680-402518/1-A	Method Blank	Total/NA	Solid	Digestion	

Analysis Batch: 402534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	350.1	402487
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	350.1	402487
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	350.1	402487
LCS 680-402487/2-A	Lab Control Sample	Total/NA	Solid	350.1	402487
MB 680-402487/1-A	Method Blank	Total/NA	Solid	350.1	402487

Analysis Batch: 402573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	9012B	402456
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	9012B	402456
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	9012B	402456
LCS 680-402456/2-A	Lab Control Sample	Total/NA	Solid	9012B	402456
MB 680-402456/1-A	Method Blank	Total/NA	Solid	9012B	402456

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

General Chemistry (Continued)

Analysis Batch: 402670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117013-1	CC06_09212015_1300	Total/NA	Solid	351.2	402518
680-117013-1 MS	CC06_09212015_1300	Total/NA	Solid	351.2	402518
680-117013-1 MSD	CC06_09212015_1300	Total/NA	Solid	351.2	402518
LCS 680-402518/2-A	Lab Control Sample	Total/NA	Solid	351.2	402518
MB 680-402518/1-A	Method Blank	Total/NA	Solid	351.2	402518

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Client Sample ID: CC06_09212015_1300

Lab Sample ID: 680-117013-1

Date Collected: 09/21/15 13:00

Matrix: Solid

Date Received: 09/23/15 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			402436	09/23/15 11:25	FES	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CC06_09212015_1300

Lab Sample ID: 680-117013-1

Date Collected: 09/21/15 13:00

Matrix: Solid

Date Received: 09/23/15 00:00

Percent Solids: 17.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.235 g	5 mL	402440	09/23/15 11:41	FES	TAL SAV
Total/NA	Analysis	8260B		1	4.235 g	5 mL	402406	09/23/15 14:24	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Prep	3546			15.10 g	10 mL	402448	09/23/15 12:39	KAC	TAL SAV
Total/NA	Analysis	8082A		1	15.10 g	10 mL	402546	09/23/15 23:12	JCK	TAL SAV
	Instrument ID: CSGZ									
Soluble	Leach	DI Leach			5.05 g	100 mL	402521	09/23/15 12:40	AJO	TAL SAV
Soluble	Analysis	9056A		1	5 mL	5 mL	402647	09/24/15 09:30	RSW	TAL SAV
	Instrument ID: CIGC									
Total/NA	Prep	3050B			1.11 g	100 mL	402446	09/23/15 11:52	CDD	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	402630	09/23/15 16:45	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	3050B			1.11 g	100 mL	402446	09/23/15 11:52	CDD	TAL SAV
Total/NA	Analysis	6010C		10	1.11 g	100 mL	402754	09/24/15 13:38	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7471A			0.58 g	50 mL	402360	09/23/15 13:48	JKL	TAL SAV
Total/NA	Analysis	7471A		1	0.58 g	50 mL	402533	09/23/15 16:24	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	3-154			20.80 g	100 mL	402487	09/23/15 13:47	JER	TAL SAV
Total/NA	Analysis	350.1		1	20.80 g	100 mL	402534	09/23/15 14:50	JER	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Prep	Digestion			0.2471 g	40 mL	402518	09/23/15 16:15	JRJ	TAL SAV
Total/NA	Analysis	351.2		1	0.2471 g	40 mL	402670	09/24/15 10:50	CRW	TAL SAV
	Instrument ID: LACHAT3									
Total/NA	Prep	9012B			1.04 g	50 mL	402456	09/23/15 11:45	DAM	TAL SAV
Total/NA	Analysis	9012B		1	1.04 g	50 mL	402573	09/24/15 04:44	DAM	TAL SAV
	Instrument ID: LACHAT1									

Client Sample ID: Trip Blank

Lab Sample ID: 680-117013-2

Date Collected: 09/21/15 13:00

Matrix: Water

Date Received: 09/23/15 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 6200B		1	5 mL	5 mL	402348	09/23/15 13:12	JD1	TAL SAV
	Instrument ID: CMSA2									

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-15

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-117013-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
SM 6200B	SM 6200B	SM21	TAL SAV
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7471A	Mercury (CVAA)	SW846	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL SAV
9012B	Cyanide, Total and/or Amenable	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM21 = Standard Methods For The Examination Of Water And Wastewater, 21st Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Chain of Custody Record

TAL-4124-280 (0508)

Client WESTON SOLUTIONS

Address 1435 GARRISON ST STE 100

City LAKEWOOD State CO Zip Code 80215

Project Name and Location (State) GOLD KING MINE, CO

Contract/Purchase Order/Quote No. #125

Sampler ID EP

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA -
ARVADA
4955 YARROW ST
ARVADA, CO 80002

Project Manager MOIRA PRYNODA

Telephone Number (Area Code)/Fax Number 303 744 1111

Site Contact _____

Lab Contact _____

Carrier/Waybill Number 8070 6824 7018

Matrix _____

Containers & Preservatives _____

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Date

Time

Matrix

Containers & Preservatives

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Date

Time

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Containers & Preservatives

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Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Date

Time

Matrix

Containers & Preservatives

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Date 9/22/15

Lab Number ARVADA

Chain of Custody Number 190500

Page 1 of 1

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Date

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Containers & Preservatives

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Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Date

Time

Matrix

Containers & Preservatives

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt



680-117013 Chain of Custody

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By

ELLIOTT PERM

Date 9/21/15 Time 1640

1. Received By

LABOR

Date 9/21/15 Time 1640

2. Relinquished By

LABOR

Date 9/22/15 Time 1508

2. Received By

Fedex

Date _____ Time _____

3. Relinquished By

LABOR

Date _____ Time _____

3. Received By

Kyle Kirkland

Date 9/23/15 Time 0939

Comments

FASTEST POSS. TAT AND FASTEST POSSIBLE LEVEL 4 DATA PKG *

0.2/0.60C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Feed Ex #
8070 6824 7007

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE GOLD KING MINE			PROJECT NO.			PROJECT LOCATION (STATE) CO			MATRIX TYPE			REQUIRED ANALYSIS										PAGE 1		OF 1								
TAL (LAB) PROJECT MANAGER			P.O. NUMBER			CONTRACT NO.			COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)			RADIONUCLIDES PCB/SVOCs DICKINS TOT METALS NH3/TKN CYANIDE N/P/Cr+6 VOCs BLAUG HNO3 1 1 HNO3 SULF ACID NO3 1 HCL										STANDARD REPORT DELIVERY		DATE DUE								
CLIENT (SITE) PM MOIRA			CLIENT PHONE 303-729-6100			CLIENT FAX X 6101																EXPEDITED REPORT DELIVERY (SURCHARGE)		DATE DUE ASAP								
CLIENT NAME WESTON			CLIENT E-MAIL lens@9/21/15			WALL, DAN@EPA-GOV																NUMBER OF COOLERS SUBMITTED PER SHIPMENT:										
CLIENT ADDRESS			1435 Garrison St Ste 100 Lakewood, CO 80215			COMPANY CONTRACTING THIS WORK (if applicable)																WESTON SOLUTIONS lens@9/21/15										
SAMPLE			SAMPLE IDENTIFICATION									NUMBER OF CONTAINERS SUBMITTED										REMARKS										
DATE		TIME											5		4		2		1		1		1		1		3		-			
9/21/15		1300		CL06-092115-1300			GX																									
9/22/15		1300		TRIP BLANK lens 9/21/15			GX																									
9/21/15		1300		Trip blank			GX																									
<div>*FASTEST POSSIBLE TAT + FASTEST POSSIBLE LEVEL 4 DATA PKG*</div>																																
<div>Calberg 9/22/15</div>																																
RELINQUISHED BY: (SIGNATURE)			DATE			TIME			RELINQUISHED BY: (SIGNATURE)			DATE			TIME			RELINQUISHED BY: (SIGNATURE)			DATE			TIME								
ELLIOTT PETRI			9/21/15			16:40			Calberg			9/22/15			1500			Calberg			9/23/15			14:30								
RECEIVED BY: (SIGNATURE)			DATE			TIME			RECEIVED BY: (SIGNATURE)			DATE			TIME			RECEIVED BY: (SIGNATURE)			DATE			TIME								
Calberg			9/21/15			1640			FEDEX/Michael			9/23/15			9:10																	
LABORATORY USE ONLY																																
RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE			TIME			CUSTODY INTACT			CUSTODY SEAL NO.			SAVANNAH LOG NO.			LABORATORY REMARKS														
Michael			9/24/15			08:48			YES <input type="radio"/>									0.1354011			9/23/15			20/2.4								

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-117013-1

Login Number: 117013

List Number: 1

Creator: Daughtry, Beth A

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Did not receive the water portion for this sample
Samples are received within Holding Time.	False	Waters: cr-6/NO3 OFH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	